



# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

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## Technical Analysis and Findings

### Utah Coal Regulatory Program

**PID:** C0070018  
**TaskID:** 4689  
**Mine Name:** SOLDIER CANYON MINE  
**Title:** MIDTERM COMPLETION RESPONSE

### Summary

The Division should finalize the Midterm Permit Review process with the approval of Task ID # 4689.

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### Operation Plan

#### Topsoil and Subsoil

##### Analysis:

During a mid-term site inspection, the topsoil pile was found to be not well vegetated. A new seed mix was developed as described in App. 3-E. The topsoil will be surface roughened and seeded with this new mix in the fall of 2014. This information meets the requirements of the R645 Rules.

pburton

### Hydrologic Sediment Control Measures

##### Analysis:

On October 6th, 2014, the Division of Oil, Gas and Mining (the Division) received an amendment to the Soldier Canyon Mine mining and reclamation plan (MRP). The amendment was submitted in response to the mid-term review initiated on June 30th, 2014 (Task ID #4633). During the field inspection conducted for the mid-term review, a discrepancy was identified relative to ASCA area number 7 (ASCA #7). The description of ASCA #7 provided on page 7-184 and the corresponding figure (Figure 7.42-6) did not reflect current conditions identified during the field inspection. Topsoil, substitute topsoil and landscape boulders/riprap from the Dugout Canyon Mine were observed at the site. The Permittee was directed to revise the discussion/text portion of the MRP on page 7-184 and provide an up to date as-built for the site. The Permittee has submitted the requested revisions/additions to the Soldier Canyon MRP. Page 7-184 has been revised to reflect the Dugout Canyon Mine site material located at ASCA #7 and Plate 2-3 has been provided which accurately depicts the current configuration/lay-out of the site.

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### Reclamation Plan

## Bonding Determination of Amount

### Analysis:

#### Analysis:

The Permittee responded with a revised reclamation cost estimate for the Soldier Canyon Mine on September 24, 2014 which the Division reviewed.

The Direct Costs for the 2009 Midterm permit review amount to the following;

Subtotal Demolition and Removal.....	\$ 705,300.00
Subtotal Backfilling and Grading.....	\$ 319,497.00
Subtotal Revegetation.....	\$ 80,723.00
Total of Direct Costs.....	\$ 1,105,520.00
Indirect Costs (26.8%).....	\$ 296, 279.00
Total Reclamation Cost for 2009.....	\$ 1, 401,799.00

#### Escalation to 2014

Factor for 2009.....1.005

Number of Years.....5

1.005 to the 5th power =.....1.02525

Escalation Dollars to 2014.....\$ 35,395.00

Total Escalated Reclamation Cost to 2014.....\$ 1,437,194.00

#### 2014 Midterm Permit Review

Escalate the Reclamation Cost for 2014 to 2019 (the next Midterm Permit review)

#### Escalation to 2019

Factor for 2014.....1.9 %

Number of Years to 2019 .....4.25

1.019 to the 4.25 power =.....1.08328

Escalation Dollars to 2019.....\$ 119,690.00

Total Escalated Reclamation Cost to 2019.....\$ 1,521,489.00

Total Escalated Reclamation Cost to the Nearest \$ 1,000.....\$ 1,521,000.00

Bond Posted October 13, 2004.....\$ 1,593,000.00

Difference Between Cost Estimate and Posted Bond.....\$ 72,000

Percent Difference.....5%

#### Findings:

NO ADDITIONAL BOND MUST BE POSTED AT THIS TIME.

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